

# Converting Colors

XYZ(83.2201, 87.5605, 97.3106)

Have a look what the booklet for  
XYZ(83.2201, 87.5605, 97.3106)  
contains.

<b>XYZ(83.2296, 87.7324, 97.3414)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(83.2296, 87.7324,  
97.3414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF1F3
RGB	239, 241, 243
RGB Percent	94%, 95%, 95%
CMY	0.0627, 0.0549, 0.0471
CMYK	0.02, 0.01, 0.00, 0.05
HSL	210°, 14%, 95%
HSV	210°, 2%, 95%
XYZ	83.2296, 87.7324, 97.3414
YIQ	240.6300, -1.8340, 0.1980

# Conversions

## Conversions Part 2

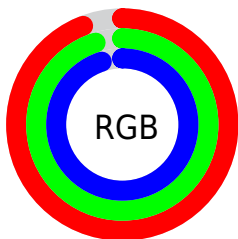
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 240, 243
Decimal	15725043
CIE Lab	95.05, -0.30, -1.21
CIE LCh	95, 1.243, 255.963
Yxy	87.7324, 0.3102, 0.3270
Android (android.graphics.Color)	4293915123 (0xFFEFF1F3)
YUV	240.6300, 1.1684, -1.4295
Hunter-Lab	93.6656, -5.3028, 3.9491

# Details

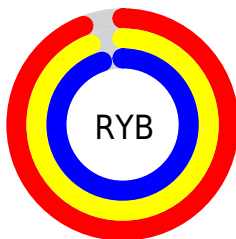
The XYZ color **83.2296, 87.7324, 97.3414** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9976, 88.1964, 94.2592**, and the grayscale version is **83.3126, 87.6514, 95.4523**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8470, 48.3531, 53.9304** is the 20% darker color. If you saturate the color by 10%, you get **72.1007, 76.8451, 95.8278**, and if you desaturate by 10%, it is **92.5848, 98.0649, 98.8440**.

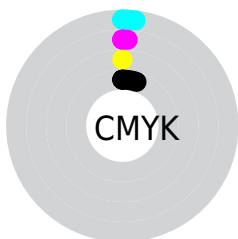
# Distribution



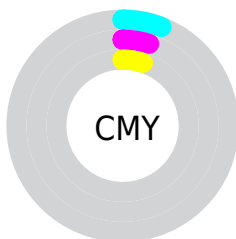
- Red (94%)
- Green (95%)
- Blue (95%)



- Red (94%)
- Yellow (94%)
- Blue (95%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2296, 87.7324, 97.3414 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 83.2296, 87.7324, 97.3414 by changing the saturation by 10% instead.



83.2296, 87.7324,  
97.3414

83.2296, 87.7324,  
97.3414

494.3238,  
520.6265, 572.8086

62.6971, 66.1015,  
73.4776

136.8238,  
144.1845, 159.5187

45.8540, 48.3548,  
53.8724

170.6163,  
179.7746, 198.6693

32.3347, 34.1079,  
38.1072

209.5595,  
220.7864, 243.7526

21.7741, 22.9765,  
25.7634

254.0188,  
267.6044, 295.1872

13.8067, 14.5762,  
16.4226

304.3595,  
320.6130, 353.3915

8.0671, 8.5225,  
9.6661

360.9470,

4.1901, 4.4311,

380.1967, 418.7841

5.0754

424.1466,  
446.7397, 491.7837

■ 1.8102, 1.9175,  
2.2321

■ 0.5238, 0.5589,  
0.6928

■ 83.2296, 87.7324,  
97.3414

■ 83.2296, 87.7324,  
97.3414

■ 72.1007, 76.8451,  
95.8278

■ 92.5848, 98.0649,  
98.8440

■ 62.2629, 66.9689,  
94.4400

■ 93.1779, 99.2512,  
99.0417

■ 53.6674, 58.0738,  
93.1761

■ 46.2591, 50.1243,  
92.0322

■ 39.9787, 43.0822,  
91.0039

■ 34.7612, 36.9063,  
90.0869

■ 30.5343, 31.5511,  
89.2760

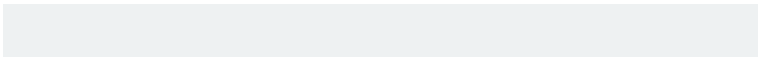
■ 27.2155, 26.9658,  
88.5658

■ 24.7064, 23.0907,  
87.9501

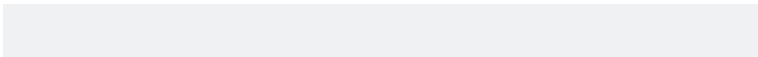
# Harmonies

## Analogous

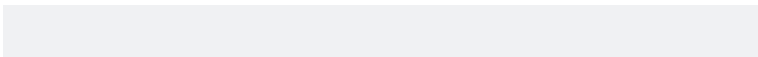
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9364, 87.7324, 96.8690



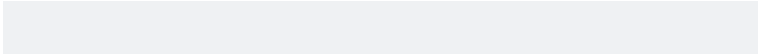
83.2296, 87.7324, 97.3414



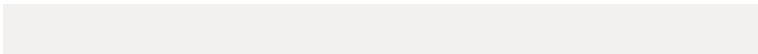
83.5657, 87.7324, 97.3250

# Triad

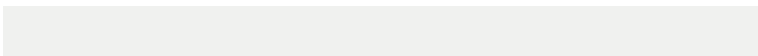
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2296, 87.7324, 97.3414



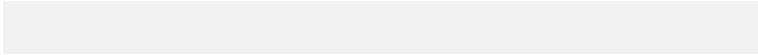
84.0129, 87.7324, 95.0151



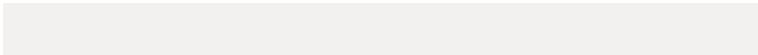
82.9210, 87.7324, 94.2386

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



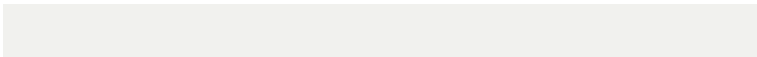
83.2296, 87.7324, 97.3414



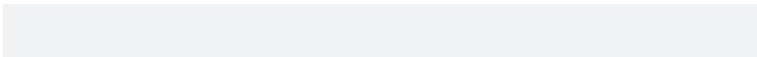
83.9976, 88.1964, 94.2592

# Split Complementary

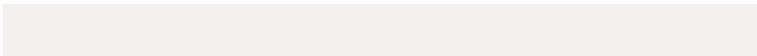
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2085, 87.7324, 93.7486



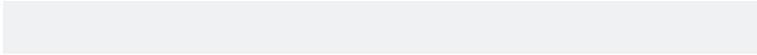
83.2296, 87.7324, 97.3414



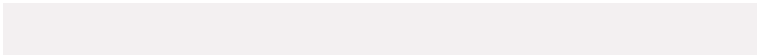
83.8393, 87.7324, 94.1948

# Square

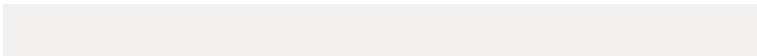
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



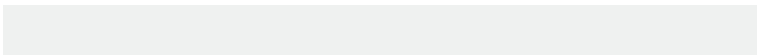
83.2296, 87.7324, 97.3414



84.0186, 87.7324, 95.9775



83.5446, 87.7324, 93.7327

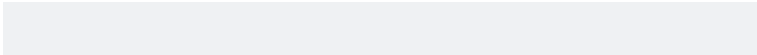


82.7586, 87.7324, 95.0753

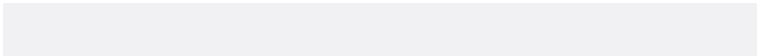


# Rectangle

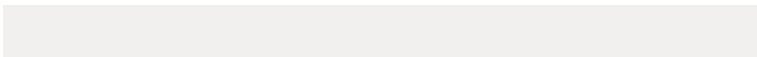
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



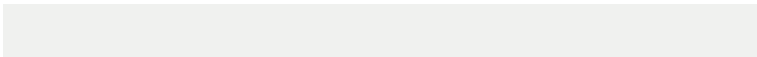
83.2296, 87.7324, 97.3414



83.7690, 87.7324, 97.0390



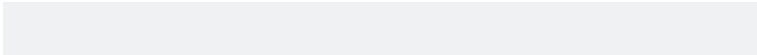
83.5446, 87.7324, 93.7327



83.0062, 87.7324, 94.0282

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.2321, 87.7362, 97.3433

95.0500, 100.0000, 108.9000



83.5158, 88.8002, 95.9066



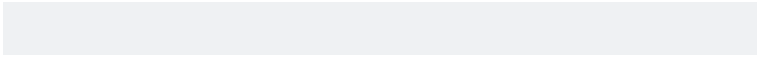
20.3446, 21.4041, 23.3091



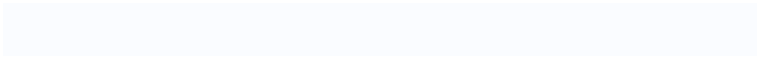
0.0000, 0.0000, 0.0000

# Same Dimension

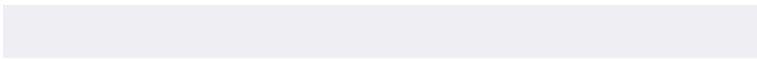
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2321, 87.7362, 97.3433



92.3920, 97.4325, 108.5445



82.6617, 86.5953, 97.1532



18.1358, 19.1229, 21.2778



12.8160, 11.4258, 48.0680

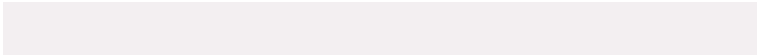


1.2292, 1.2098, 4.2590



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.7078, 87.1402, 95.6314



93.0374, 96.6262, 106.2211



84.5741, 89.3494, 94.4513



18.2556, 18.9731, 20.8466



22.2735, 11.2528, 11.4143

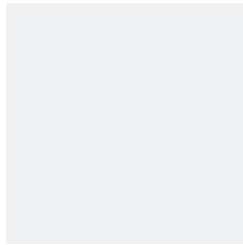


2.0095, 1.0098, 1.2764



# Previews

## White Background



This preview shows how the XYZ color 83.2296, 87.7324, 97.3414 looks on a white background.

## Color Contrast Check

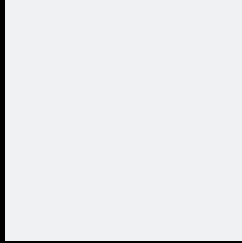
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 83.2296, 87.7324, 97.3414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

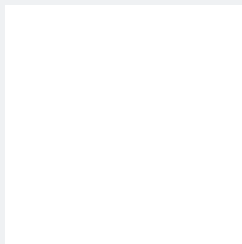


# XYZ 83.2296, 87.7324, 97.3414

## Background



This preview shows how black text looks on a background with the XYZ color 83.2296, 87.7324, 97.3414.



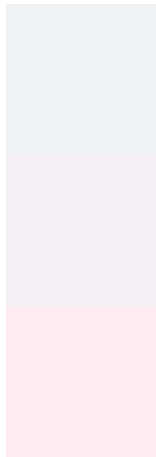
This preview shows how white text looks on a background with the XYZ color 83.2296, 87.7324,

97.3414.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.2296, 87.7324, 97.3414

### Protanopia

84.2017, 87.3769, 96.4319

### Deuteranopia

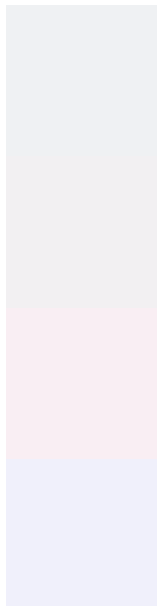
87.4131, 87.7220, 97.1189



## Tritanopia

85.1921, 87.6538, 107.0365

# Trichromacy



## Original Color

83.2296, 87.7324, 97.3414

## Protanomaly

83.8050, 87.6082, 96.4975

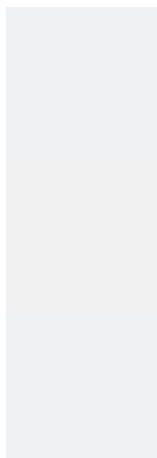
## Deuteranomaly

85.8191, 87.7599, 97.2102

## Tritanomaly

84.5079, 87.8105, 103.7619

# Monochromacy



## Original Color

83.2296, 87.7324, 97.3414

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.4175, 87.8467, 96.5639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2296, 87.7324, 97.3414 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(239, 241, 243) looks like.

```
.text, #text, p{  
    color:rgb(239, 241, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 241, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 241, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2296, 87.7324, 97.3414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 241, 243) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 241, 243) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 241, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 241, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 241, 243);  
box-shadow:4px 4px 4px 4px rgb(239, 241,  
243) }
```



# Background

The CSS property to change the background color of an element to XYZ 83.2296, 87.7324, 97.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 241, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
241, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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